Name of Work: Construction of RCC Drains and Culverts at BHEL Layout And Ayyappa Layout and Surrounding Area in ward No. 03, Yelahanka Satellite Town sub Division

Date of Pre-Measurement :

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
1	KSRRB300-1. Earthwork excavation by manual means for Drains and similar works in ordinar soil excavated surface levelled and sides neatly dressed, the dispossed earth to be levelled neatly after breaking of clods completed as per specifications. KPWD S.R 2018-19.								
	CC Drains								
	BHEL Layout								
	9th Cross Road								
	LHS From Main Road								
	Ch.0.00 to 27.4m		1	27.40	1.10	1.00	30.14		
	Ch.27.4 to 36.6m		1	9.20	1.10	1.00	10.12		
	Ch.36.6 to 66.6m		1	30.00	1.10	1.00	33.00		
	Ch.66.6 to 96.6m		1	30.00	1.10	1.00	33.00		
	Ch.96.6 to 100.4m		1	3.80	1.10	1.00	4.18		
	Ch.100.4 to 109.6m		1	9.20	0.00	0.00	0.00		
	Ch.109.6 to 117.0m		1	7.40	1.10	1.00	8.14		
	Ch.117.0 to 147.0m		1	30.00	1.10	1.00	33.00		
	Ch.147.0 to 158.0m		1	11.00	1.10	1.00	12.10		
	Ch.158.0 to 161.4m		1	3.40	1.10	1.00	3.74		
	RHS From End								
	Ch.0.00 to 9.00m		1	9.00	1.10	1.00	9.90		
	Ch.9.00 to 12.8m		1	3.80	1.10	1.00	4.18		
	Ch.12.8 to 42.8m		1	30.00	1.10	1.00	33.00		
	Ch.42.8 to 54.6m		1	11.80	1.10	1.00	12.98		
	Ch.54.6 to 62.1m		1	7.50	1.10	1.00	8.25		
	Ch.62.1 to 66.5m		1	4.40	1.10	1.00	4.84		
	Ch.66.5 to 96.5m		1	30.00	1.10	1.00	33.00		
	Ch.96.5 to 116.5m		1	20.00	1.10	1.00	22.00		
	Ch.116.5 to 124.9m		1	8.40	1.10	1.00	9.24		
	Ch.124.9 to 138.6m		1	13.70	1.10	1.00	15.07		
	Ch.138.6 to 152.9m		1	14.30	1.10	1.00	15.73		
	Ch.152.9 to 161.7m		1	8.80	1.10	1.00	9.68		
							Present Qty	**345.29**	**211.79**	**73128.97**

Contractor

Karnataka Material Test House * Bangalore (P) Ltd.

Assistant Engineer

c&fc

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
Assistant Executive Engineer.
26/12/2021 ಪಿ.ಐ.ಎ. ಬೆಂಗಳೂರು-106

Name of Work: Construction of RCC Drains and Culverts at BHEL Layout And Ayyappa Layout and Surrounding Area in ward No. 03, Yelahanka Satellite Town sub Division

Date of Pre-Measurement :

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
2	KSRRB M2900-1. Plain cement concrete M10 mix with crushed stone aggregates 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including cost of materials, labour, HOM completed as per specifications. KPWD S.R 2019-19.								
	CC Drains								
	BHEL Layout								
	9th Cross Road								
	LHS From Main Road								
	Ch.0.00 to 27.4m		1	27.40	1.00	0.15	4.11		
	Ch.27.4 to 36.6m		1	9.20	1.00	0.15	1.38		
	Ch.36.6 to 66.6m		1	30.00	1.00	0.15	4.50		
	Ch.66.6 to 96.6m		1	30.00	1.00	0.15	4.50		
	Ch.96.6 to 100.4m		1	3.80	1.00	0.15	0.57		
	Ch.100.4 to 109.6m		1	9.20	1.00	0.15	1.38		
	Ch.109.6 to 117.0m		1	7.40	1.00	0.15	1.11		
	Ch.117.0 to 147.0m		1	30.00	1.00	0.15	4.50		
	Ch.147.0 to 158.0m		1	11.00	1.00	0.15	1.65		
	Ch.158.0 to 161.4m		1	3.40	1.00	0.15	0.51		
	RHS From End								
	Ch.0.00 to 9.00m		1	9.00	1.00	0.15	1.35		
	Ch.9.00 to 12.8m		1	3.80	1.00	0.15	0.57		
	Ch.12.8 to 42.8m		1	30.00	1.00	0.15	4.50		
	Ch.42.8 to 54.6m		1	11.80	1.00	0.15	1.77		
	Ch.54.6 to 62.1m		1	7.50	1.00	0.15	1.13		
	Ch.62.1 to 66.5m		1	4.40	1.00	0.15	0.66		
	Ch.66.5 to 96.5m		1	30.00	1.00	0.15	4.50		
	Ch.96.5 to 116.5m		1	20.00	1.00	0.15	3.00		
	Ch.116.5 to 124.9m		1	8.40	1.00	0.15	1.26		
	Ch.124.9 to 138.6m		1	13.70	1.00	0.15	2.06		
	Ch.138.6 to 152.9m		1	14.30	1.00	0.15	2.15		
	Ch.152.9 to 161.7m		1	8.80	1.00	0.15	1.32		
						Present Qty	**48.47**		
						Quantity Limiting to	**48.04**	**4479.56**	**215198.06**

Karnataka Material Test Housing Bangalore PWD

Contractor

Assistant Engineer

5/01/2021

C&FC

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Executive Engineer

Name of Work: Construction of RCC Drains and Culverts at BHEL Layout And Ayyappa Layout and Surrounding Area in ward No. 03, Yelahanka Satellite Town sub Division

Date of Pre-Measurement :

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
	Detailed Measurements								
3	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per								
	BHEL Layout								
	9th Cross Road								
	LHS From Main Road								
	Total drain length=154.2m								
	Main bar 10mm dia bar @ 130mm								
	0.60kg/mtr								
	No of U-bar=1242.00Nos		1186	2.15		0.60	1530.138		
	Distribution bar								
	Distribution bar 08mm dia @ 150mm								
	0.60kg/mtr		14	154.2		0.60	1295.28		
	RHS From End								
	Total drain length=161.7m								
	Main bar 10mm dia bar @ 130mm								
	0.60kg/mtr								
	No of U-bar=1244.00Nos		1244	2.15		0.60	1604.562		
	Distribution bar								
	Distribution bar 08mm dia @ 150mm								
	0.60kg/mtr		14	161.7		0.60	1358.28		
							5788.26		
						Present Qty	5.79		
						Quantity Limiting To	5.77	72326.98	417326.67

Contractor

Karnataka Material Test House Pvt. Ltd. Bangalore

PMC

Assistant Engineer

C&Tc

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
25/01/2024 ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Name of Work: Construction of RCC Drains and Culverts at BHEL Layout And Ayyappa Layout and Surrounding Area in ward No. 03, Yelahanka Satellite Town sub Division

Date of Pre-Measurement :

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
	Detailed Measurements								
4	Providing and laying plain/reinforced cement concrete for side drains walls and bottom raft thickness 15cm using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates 0.43 cum machinacally mixed, well compacted for walls and bottom including centring, shuttering, cost of materials, HOM of machinary, curing, etc., completed as per MORTH specifications No. 1500, 1700, 2200. KPWD S.R 2018-19								
	CC Drains								
	RAFT								
	BHEL Layout								
	9th Cross Road								
	LHS From Main Road								
	Ch.0.00 to 27.4m		1	27.40	0.90	0.15	3.70		
	Ch.27.4 to 36.6m		1	9.20	0.90	0.15	1.24		
	Ch.36.6 to 66.6m		1	30.00	0.90	0.15	4.05		
	Ch.66.6 to 96.6m		1	30.00	0.90	0.15	4.05		
	Ch.96.6 to 100.4m		1	3.80	0.90	0.15	0.51		
	Ch.100.4 to 109.6m		1	9.20	0.90	0.15	1.24		
	Ch.109.6 to 117.0m		1	7.40	0.90	0.15	1.00		
	Ch.117.0 to 147.0m		1	30.00	0.90	0.15	4.05		
	Ch.147.0 to 158.0m		1	11.00	0.90	0.15	1.49		
	Ch.158.0 to 161.4m		1	3.40	0.90	0.15	0.46		
	RHS From End								
	Ch.0.00 to 9.00m		1	9.00	0.90	0.15	1.22		
	Ch.9.00 to 12.8m		1	3.80	0.90	0.15	0.51		
	Ch.12.8 to 42.8m		1	30.00	0.90	0.15	4.05		
	Ch.42.8 to 54.6m		1	11.80	0.90	0.15	1.59		
	Ch.54.6 to 62.1m		1	7.50	0.90	0.15	1.01		
	Ch.62.1 to 66.5m		1	4.40	0.90	0.15	0.59		
	Ch.66.5 to 96.5m		1	30.00	0.90	0.15	4.05		
	Ch.96.5 to 116.5m		1	20.00	0.90	0.15	2.70		
	Ch.116.5 to 124.9m		1	8.40	0.90	0.15	1.13		
	Ch.124.9 to 138.6m		1	13.70	0.90	0.15	1.85		
	Ch.138.6 to 152.9m		1	14.30	0.90	0.15	1.93		
	Ch.152.9 to 161.7m		1	8.80	0.90	0.15	1.19		
	WALL								
	BHEL Layout								
	9th Cross Road								
	LHS From Main Road								
	Ch.0.00 to 27.4m		2	27.40	0.15	0.60	4.93		
	Ch.27.4 to 36.6m		2	9.20	0.15	0.60	1.66		
	Ch.36.6 to 66.6m		2	30.00	0.15	0.60	5.40		
	Ch.66.6 to 96.6m		2	30.00	0.15	0.60	5.40		

5/2/2021

Karnataka Material Testing Laboratory Pvt. Ltd. Bangalore

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	Ch.96.6 to 100.4m		2	3.80	0.15	0.60	0.68		
	Ch.100.4 to 109.6m		2	9.20	0.00	0.00	0.00		
	Ch.109.6 to 117.0m		2	7.40	0.15	0.60	1.33		
	Ch.117.0 to 147.0m		2	30.00	0.15	0.60	5.40		
	Ch.147.0 to 158.0m		2	11.00	0.15	0.60	1.98		
	Ch.158.0 to 161.4m		2	3.40	0.15	0.60	0.61		
	RHS From End								
	Ch.0.00 to 9.00m		2	9.00	0.15	0.60	1.62		
	Ch.9.00 to 12.8m		2	3.80	0.15	0.60	0.68		
	Ch.12.8 to 42.8m		2	30.00	0.15	0.60	5.40		
	Ch.42.8 to 54.6m		2	11.80	0.15	0.60	2.12		
	Ch.54.6 to 62.1m		2	7.50	0.15	0.60	1.35		
	Ch.62.1 to 66.5m		2	4.40	0.15	0.60	0.79		
	Ch.66.5 to 96.5m		2	30.00	0.15	0.60	5.40		
	Ch.96.5 to 116.5m		2	20.00	0.15	0.60	3.60		
	Ch.116.5 to 124.9m		2	8.40	0.15	0.60	1.51		
	Ch.124.9 to 138.6m		2	13.70	0.15	0.60	2.47		
	Ch.138.6 to 152.9m		2	14.30	0.15	0.60	2.57		
	Ch.152.9 to 161.7m		2	8.80	0.15	0.60	1.58		
						Present Qty	**100.12**	**7070.20**	**707871.96**

Contractor

Karnataka Material Test Laboratory * Bangalore * PME

Assistant Engineer

C&FC

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ಯೋಜನಾ ಅನುಷ್ಠಾನ ವಿಭಾಗ

Asst. Executive Engineer

5/2/2021 ಐ ಐ.ಎಂ.ಕಿ. ಬೆಂಗಳೂರು-106

Name of Work: Construction of RCC Drains and Culverts at BHEL Layout And Ayyappa Layout and Surrounding Area in ward No. 03, Yelahanka Satellite Town sub Division

Date of Measurment

Item No	Detailed Measurments Discription of Item		Unit	Rate	Amount
1	KSRRB300-1. Earthwork excavation by manual means for Drains and similar works in ordinar soil excavated surface levelled and sides neatly dressed, the dispossed earth to be levelled neatly after breaking of clods completed as per specifications. KPWD S.R 2018-19.				
	Present Qty	**345.29**	**Cum**	**211.79**	**73129.00**
2	KSRRB M2900-1. Plain cement concrete M10 mix with crushed stone aggregates 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including cost of materials, labour, HOM completed as per specifications. KPWD S.R 2019-19.				
	Present Qty	**48.04**	**Cum**	**4479.56**	**215199.00**
3	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.				
	Present Qty	**5.77**	**Ton**	**72326.98**	**417327.00**
4	Providing and laying plain/reinforced cement concrete for side drains walls and bottom raft thickness 15cm using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates 0.43 cum machinacally mixed, well compacted for walls and bottom including centring, shuttering, cost of materials, HOM of machinary, curing, etc., completed as per MORTH specifications No. 1500, 1700, 2200. KPWD S.R 2018-19				
	Present Qty	**100.12**	**Cum**	**7070.20**	**707872.00**

Contractor

Karnataka Material Test Road Rate Bangalore

Assistant Engineer

Asst. Executive Engineer

Name of Work: Construction of RCC Drains and Culverts at BHEL Layout And Ayyappa Layout and Surrounding Area in ward No. 03, Yelahanka Satellite Town sub Division

Date of Measurement :

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
	Detailed Measurements								
5	Supplying and Fixing precast reinforced concrete slab 100mm thick of mix M20 using 20mm and down size graded granite metal using reinforced 10mm dia steel at 150mm C/C both ways cost of transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.								
	CC Drains								
	BHEL Layout								
	9th Cross Road								
	LHS From Main Road								
	Ch.0.00 to 27.4m		1	27.40	0.90		24.66		
	Ch.27.4 to 36.6m		1	9.20	0.90		8.28		
	Ch.36.6 to 66.6m		1	30.00	0.90		27.00		
	Ch.66.6 to 96.6m		1	30.00	0.90		27.00		
	Ch.96.6 to 100.4m		1	3.80	0.90		3.42		
	Ch.100.4 to 109.6m		1	9.20	0.90		8.28		
	Ch.109.6 to 117.0m		1	7.40	0.90		6.66		
	Ch.117.0 to 147.0m		1	30.00	0.90		27.00		
	Ch.147.0 to 158.0m		1	11.00	0.90		9.90		
	Ch.158.0 to 161.4m		1	3.40	0.90		3.06		
	RHS From End								
	Ch.0.00 to 9.00m		1	9.00	0.90		8.10		
	Ch.9.00 to 12.8m		1	3.80	0.90		3.42		
	Ch.12.8 to 42.8m		1	30.00	0.90		27.00		
	Ch.42.8 to 54.6m		1	11.80	0.90		10.62		
	Ch.54.6 to 62.1m		1	7.50	0.90		6.75		
	Ch.62.1 to 66.5m		1	4.40	0.90		3.96		
	Ch.66.5 to 96.5m		1	30.00	0.90		27.00		
	Ch.96.5 to 116.5m		1	20.00	0.90		18.00		
	Ch.116.5 to 124.9m		1	8.40	0.90		7.56		
	Ch.124.9 to 138.6m		1	13.70	0.90		12.33		
	Ch.138.6 to 152.9m		1	14.30	0.90		12.87		
	Ch.152.9 to 161.7m		1	8.80	0.90		7.92		
						Present Qty	290.79		
						Quantity Limiting To	288.00	2337.00	673056.00
							Total		2086582.00
							12% GST		250390.00
							4% KRIDL		83464.00
							Grand Total		2420436.00

Contractor

Karnataka Material Test Laboratories Pvt. Ltd. Bangalore

Assistant Engineer

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Asst. Executive Engineer

25/2/2022